



<b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number 342312001701	Application Number 10/676,575
	Applicant Peter Stanley BORROMEO et al.	
	Filing Date September 30, 2003	Group Art Unit Not Yet Assigned
	Mailing Date: November 17, 2003	

## U.S. PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Name	Class	Subclass	Filing Date If Appropriate
<i>JS</i>	1.	12/16/1992	07/992,390 (app'l.)	Burkhardt et al.	—	—	
<i>JS</i>	2.	03/17/1993	08/032,228 (app'l.)	Burkhardt et al.	—	—	
<i>JS</i>	3.	10/06/1981	4,293,489	Debono	530	317	
<i>JS</i>	4.	03/16/1982	4,320,052	Abbott et al.	530	317	
<i>JS</i>	5.	11/24/1992	5,166,135	Schmatz	514	11	
<i>JS</i>	6.	07/30/1996	5,541,160	Balkovec et al.	514	11	
<i>JS</i>	7.	12/09/1997	5,696,084	Lartey et al.	514	9	
<i>JS</i>	8.	10/12/1999	5,965,525	Burkhardt et al.	514	11	
<i>JS</i>	9.	08/03/1999	5,932,543	Burkhardt et al.	514	11	

## FOREIGN PATENT DOCUMENTS

Examiner Initials	Ref. No.	Date	Document No.	Country	Class	Subclass	Translation YES NO
<i>JS</i>	10.	03/21/1990	EP 0 359 529	Europe	—	—	
<i>JS</i>	11.	09/18/1991	EP 0 447 186	Europe	—	—	
<i>JS</i>	12.	09/25/1991	EP 0 448 343	Europe	—	—	
<i>JS</i>	13.	09/25/1991	EP 0 448 353	Europe	—	—	
<i>JS</i>	14.	09/25/1991	EP 0 448 354	Europe	—	—	
<i>JS</i>	15.	09/25/1991	EP 0 448 355	Europe	—	—	
<i>JS</i>	16.	12/27/1991	EP 0 462 531	Europe	—	—	
<i>JS</i>	17.	09/16/1992	EP 0 503 960	Europe	—	—	
<i>JS</i>	18.	02/03/1993	EP 0 525 889	Europe	—	—	
<i>JS</i>	19.	09/22/1993	EP 0 561 639	Europe	—	—	
<i>JS</i>	20.	10/10/1996	WO 96/31228	<del>Europe</del> WIPO	—	—	
<i>JS</i>	21.	11/25/1996	WO 96/37509	WIPO	—	—	
<i>JS</i>	22.	11/28/1996	WO 96/37510	WIPO	—	—	

EXAMINER: *Jeffrey B. Russell*DATE CONSIDERED: *November 22, 2004*

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<b>Form PTO 449</b> <b>INFORMATION DISCLOSURE CITATION</b> <b>IN AN APPLICATION</b> <i>(Use several sheets if necessary)</i>	Docket Number 342312001701	Application Number 10/676,575
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	Mailing Date: November 17, 2003	

					Class	Subclass		
JR	23.	11/28/1996	WO 96/37511	WIPO				
JR	24.	11/28/1996	WO 96/37512	WIPO				
JR	25.	02/13/1997	WO 97/05163	WIPO				
JR	26.	08/07/1997	WO 97/27864	WIPO				
JR	27.	02/11/1999	WO 99/06062	WIPO				
JR	28.	09/02/1999	WO 99/43337	WIPO				
JR	29.	03/02/2000	WO 00/11023	WIPO				
JR	30.	03/09/2000	WO 00/12540	WIPO				
JR	31.	06/22/2000	WO 00/35944	WIPO				
JR	32.	06/02/2000	WO 00/35945	WIPO				
JR	33.	09/18/1991	GB 2,241,956	GB				
JR	34.	09/25/1991	GB 2,242,194	GB				

## OTHER DOCUMENTS

(including author, title, Date, Pertinent Pages, Etc.)

Examiner Initials	Ref. No.	Title
JR	35.	Baba, N., et al. (1989). "Intramolecular Asymmetric Lactonization Using Optically Active 1,2-Diphenylethylenediamine as a Chiral Auxiliary," <i>Chemistry Letters</i> 5: 889-892.
JR	36.	Baldwin, J.E. and Finn, A., (1987). "Use of L-Aspartic Acid $\beta$ -Semialdehyde in the Synthesis of More Complex Non-Protein Amino Acids," <i>Tetrahedron Letters</i> 28(31): 3605-3608.
JR	37.	Curphey, et al. (1979). "Trifluoroacetylation of Amino Acids and Peptides by Ethyl Trifluoroacetate," <i>J. Org. Chem.</i> 44(15): 2805-2807.
JR	38.	Evans, D.A., and Weber, A.E., (1987). "Synthesis of Cyclic Hexapeptide Echinocandin D. New Approaches to the Asymmetric Synthesis of $\beta$ -Hydroxy $\alpha$ -Amino Acids," <i>J. Am. Chem. Soc.</i> 109: 7151-7157.
JR	39.	Hensens, D.O. et al. (1992) "Pneumocandins from <i>Zalerion arboricola</i> " <i>Journal of Antibiotics</i> 45(12):1875-1885.
JR	40.	Jamison, J.A. et al. (1998) "The synthesis and antifungal activity of nitrogen containing hemiaminal ethers of LY303366" <i>Journal of Antibiotics</i> 51(2):239-242.
JR	41.	Kurokawa, N. and Ohfun, Y., (1986). "Total Synthesis of Echinocandins 1. Stereocontrolled Syntheses of the Constituent Amino Acids," <i>J. Am. Chem. Soc.</i> 108: 6041-6043.
JR	42.	Kurokawa, N. and Ohfun, Y., (1993). "Synthetic Studies on Antifungal Cyclic Peptides Echinocandins. Stereoselective Total Synthesis of Echinocandin D via a Novel Peptide Coupling," <i>Tetrahedron</i> 49(28): 6195-6222.
JR	43.	Sasaki, N.A., et al. (1987). "A Novel Approach to the Synthesis of Optically Pure Non Protein $\alpha$ -

EXAMINER:

Jeffrey E. Russell

DATE CONSIDERED:

November 22, 2004

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Form PTO-1449  <b>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</b>  (Use several sheets if necessary)	Docket Number 342312001701	Application Number 10/676,575
	Applicant  Peter Stanley BORROMEO et al.	
	Filing Date September 30, 2003	Group Art Unit Not Yet Assigned
	Mailing Date: November 1, 2003	

JR		Amino Acids in Both L and D Configuration from L-Serine," <i>Tetrahedron Letters</i> 28(48): 6069-6072.
JR	44.	Tanaka, K., et al. (1985). "Asymmetric Synthesis of $\gamma$ -Alkyl- $\alpha$ -Methylene- $\gamma$ -Butyrolactone Via 1,6-Remote Induction Using 2-[(Tributylstannyl)methyl]Propenamides," <i>Tetrahedron Letters</i> 26(10): 1337-1340.
JR	45.	Turner, W.W. and Rodriguez, M.J. (1996). "Recent Advances in the Medicinal Chemistry of Antifungal Agents," <i>Current Pharmaceutical Design</i> 2: 209-224.
JR	46.	Yamamoto, Y., et al. (1991). "Asymmetric Synthesis of 5- and 6-Membered Lactones from Cyclic Substrates Bearing a C <sub>2</sub> -Chiral Auxiliary," <i>J. Org Chem</i> 56(3): 1112-1119.
JR	47.	Yoda, H., et al. (1989). "New Synthetic Method of $\gamma$ - and $\delta$ -Lactones via Successive Alkylation and Reduction of Cyclic Imides," <i>Chemistry Express</i> 4(8): 515-518.
JR	48.	Zambias, R.A. et al., (1992). "Preparation and Structure- Activity Relationships of Simplified Analogues of Antifungal Agent Cilofungin: A Total Synthesis Approach," <i>J. Med. Chem.</i> 35: 2843-2855.

EXAMINER: Jeffrey E. Russel	DATE CONSIDERED: November 22, 2009
EXAMINER: Initial if citation considered, whether or not the citation conforms with MPEP 609. Draw a line through the citation if not in conformance and not considered. Include a copy of this form with next communication to applicant.	